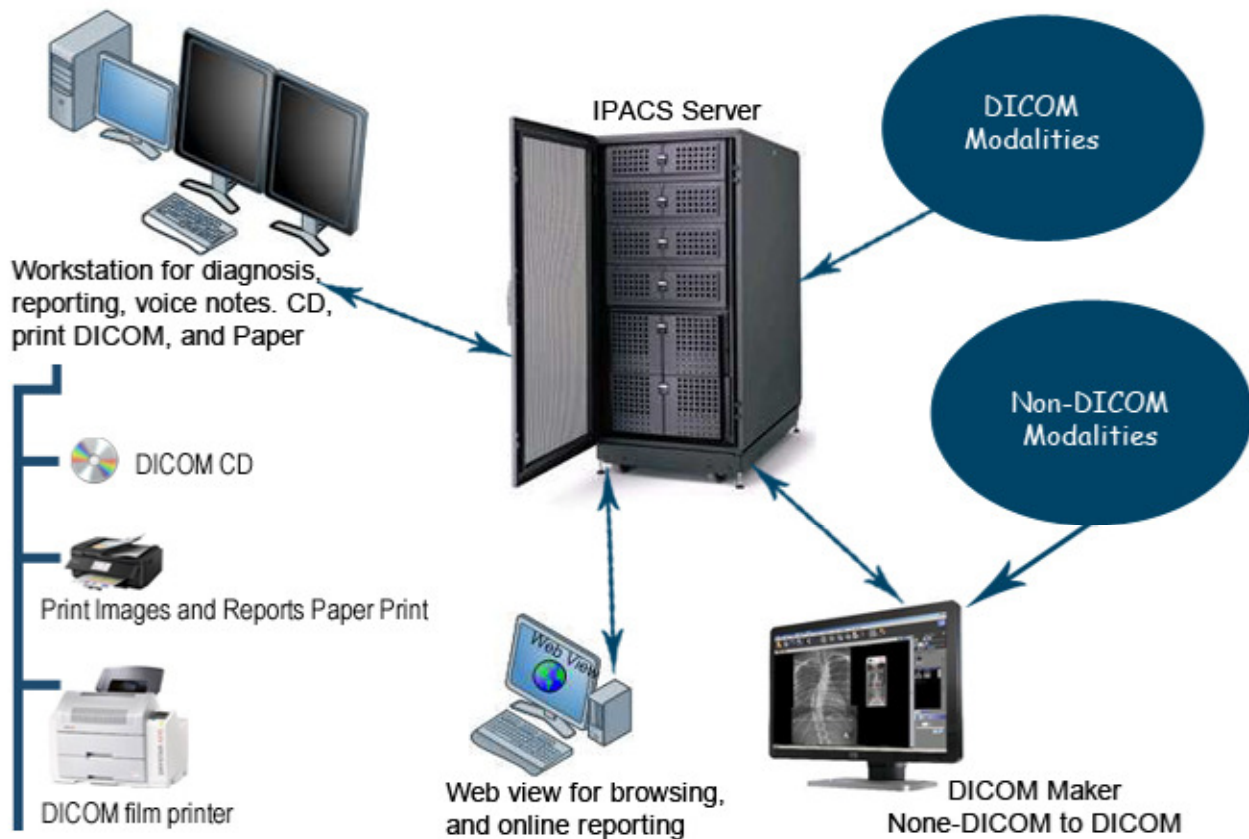


Overview

- Picture Archiving and Communication System
- Storing, query, retrieving, browsing, and reporting DICOM studies



Specification

- IPACS Server
 - o DICOM server to receive DICOM messages from modalities (DICOM medical devices like MRI, CT...)
 - o Archive DICOM studies with DICOM protocol hierarchy (Patient ==> Study ==> Series ==> Image)
 - o Saving Reports typed with DICOM viewers and assign them to their studies
 - o Response to query requests from DICOM viewers
 - o Retrieve DICOM studies requested by DICOM viewers
- IPACS web server
 - o A web server to enable the firm to browse the DICOM studies through a web browser
 - o Can be configured with a fixed IP address to be accessed from anywhere
- DICOM Viewer
 - o Query/Retrieve DICOM studies from IPACS
 - o Browse DICOM studies in the DICOM hierarchy (Patient ==> Study ==> Series ==> Image)
 - o Playing cine DICOM with various speeds
 - o Brightness/contrast control, Zooming and panning DICOM images
 - o Reporting for DICOM studies
 - o Export DICOM file to windows formats
 - o Make DICOM Directory of DICOM studies
 - o Print DICOM images via paper printers and DICOM printers